

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB 03/01630

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01J3/28 G01J3/447 G01J4/04 G01J3/51

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01J G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 38 18 278 A (JENOPTIK JENA GMBH) 16 February 1989 (1989-02-16) column 4, line 15 - line 23 column 4, line 56 - line 61 column 5, line 51 - line 55 figure 1	1,2,4,13
Y	US 5 982 497 A (HOPKINS MARK F) 9 November 1999 (1999-11-09) column 4, line 54 -column 5, line 16 column 5, line 31 - line 36 column 6, line 15 - line 26 column 6, line 64 -column 7, line 1 figure 1	1-19

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

11 September 2003

Date of mailing of the international search report

23/09/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Jacquin, J

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/01630

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3 588 224 A (PRITCHARD DALTON HAROLD) 28 June 1971 (1971-06-28) column 2, line 30 -column 3, line 30 figure 2 -----	1-19

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/01630

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 3818278	A	16-02-1989	DD 262797 A1	14-12-1988
			DE 3818278 A1	16-02-1989
US 5982497	A	09-11-1999	US 5926283 A	20-07-1999
US 3588224	A	28-06-1971	CA 927636 A1	05-06-1973
			DE 2027035 A1	10-12-1970
			FR 2064050 A5	16-07-1971
			GB 1308962 A	07-03-1973
			JP 51014033 B	06-05-1976
			NL 7007960 A	07-12-1970